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52221/CAB/A400

PETUNIACALIBRACHOA PLANT NAMED 'SUNBELBUSTA'

Botanical/commercial classification:

~~Petunia hybrida~~Calibrachoa sp./~~Petunia~~Calibrachoa Plant

Varietal denomination: cv. 'Sunbelbusta'

5 BACKGROUND OF THE VARIETY

The present invention relates to a new and distinct variety of ~~Petunia~~Calibrachoa plant, botanically known as Calibrachoa sp., which originated from crossing of a ~~Petunia~~Calibrachoa hybrid variety called 'CHBS05' as the female parent and 'CHBS07' as the male parent.

~~The Petunia is a very popular plant that is used for flower bedding and potting in the summer season. There are only a few Petunia developed series of small flower petunias, such as, 'SUNTORV SP R' (U.S. Plant Patent[{}]] No. 9557), 'Sunberubu' (U.S. Plant Patent[{}]] No. 9754), 'Sunbelchipi' (U.S. Plant Patent[{}]] No. 10,355) and 'Sunbelki' (U.S. Plant Patent[{}]] No. 11,559). These are spreading type, a medium plant height, abundant branching, and a high resistance to heat and rain and disease. However there are only a few varieties having a great profusion of flowers, vivid purple flower color, a very small flower size and a high resistance to rain, heat, and disease. Accordingly, this invention was aimed at obtaining a new Petunia variety having vivid purple colored petals, and very small flowers, combined with the above features.~~

~~Progress~~

The female parent 'CHBS05' (unpatented) used in the crossing of 'Sunbelbusta' is a strain of our breeding lines, having an erect growth habit. It has small single flowers, the petals having a vivid red-purple color.

The male parent 'CHBS07' (unpatented) used in the

SUBSTITUTE SPECIFICATION
(MARKED UP COPY)

52221/CAB/A400

crossing of 'Sunbelbusta' is a strain of our breeding lines, having a decumbent growth habit. It has small single flowers, the petals having violet color.

In July 1998, crossing of 'CHBS05' as the female parent and 'CHBS07' as the male parent was conducted at Yokaichi-shi, Shiga-ken, Japan. In October 1998, seedlings were obtained from that crossing. These seedlings were grown in pots in glasshouses and were evaluated. One seedling was selected in view of its growth habit, flower size and color in October 1999. That seedling was propagated by cutting and a trial was carried out by flower potting and bedding from April to October 2000. The botanical characteristics of that plant were then examined, using similar varieties 'Sunbelribu' (unpatented) and 'Sunbelkubu' (U.S. Plant Patent[[.]] No. 10,279) for comparison. As a result, it was concluded that this PetuniaCalibrachoa plant is distinguishable from any other variety[[.]] whose existence is known to us, and is uniform and stable in its characteristics. Then the new variety of PetuniaCalibrachoa plant was named 'Sunbelbusta'.

In the following description, the color-coding is in accordance with the Horticultural Colour Chart of The Royal Horticultural Society, London, England (R.H.S. Colour Chart).

SUMMARY OF THE VARIETY

This new variety is unlike any PetuniaCalibrachoa commercially available as evidenced by the following unique combinations of characteristics.

1. Outwardly spreading growth habit with abundant branching.
2. ~~Having a g~~Great profusion of blooms with the entire plant remaining in bloom for a considerable period of time.
3. The flowers are single and very small. The apex shape of petal is acute. The petal color is vivid purple (near R.H.S. N81A) with deep purple (near R.H.S. 83A) vein.

SUBSTITUTE SPECIFICATION
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52221/CAB/A400

4. The plant has a high resistance to rain, cold, heat and disease.

The new variety 'Sunbelbusta' differs from the similar variety 'Sunbelribu' in the following points.

5 1. The spreading area of 'Sunbelbusta' is larger than that of 'Sunbelribu'.

2. The internode length of 'Sunbelbusta' is shorter than that of 'Sunbelribu'.

10 3. The flower diameter of 'Sunbelbusta' is larger than that of 'Sunbelribu'.

4. The petal color of 'Sunbelbusta' is vivid purple (near R.H.S.N81A) with deep purple (near R.H.S.83A) vein, ~~while that.~~ ~~That~~ of 'Sunbelribu' is vivid purple (near R.H.S.N87A).

15 5. Inside color of the corolla throat of 'Sunbelbusta' is vivid yellow (near R.H.S. 7B) with brilliant yellowish green (near R.H.S. N199A) vein. That of 'Sunbelribu' is vivid greenish-yellow (near R.H.S.151C).

20 6. Outside color of the corolla ~~throat~~tube of 'Sunbelbusta' is strong purple (R.H.S.83D) with dark reddish-purple (near R.H.S.79A). That of 'Sunbelribu' is light yellow-green (near R.H.S.1C).

The new variety 'Sunbelbusta' differs from the similar variety 'Sunbelkubu' in the following points.

25 1. The growth habit of 'Sunbelbusta' is outwardly spreading, ~~while that.~~ ~~That~~ of 'Sunbelkubu' is decumbent.

2. The plant height of 'Sunbelbusta' is higher than that of 'Sunbelkubu'.

30 3. The leaf length of 'Sunbelbusta' is longer than that of 'Sunbelkubu'.

4. The petal color of 'Sunbelbusta' is vivid purple (near R.H.S.N81A) with deep purple (near R.H.S.83A) ~~vein,~~

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~~while that.~~ That of 'Sunbelkubu' is vivid purple
(R.H.S.N81A).

5. Inside color of the corolla throat of 'Sunbelbusta'
is vivid yellow (near R.H.S. 7B) with brilliant yellowish
5 green (near R.H.S. N199A) venation, while that vein. ~~That~~ of
'Sunbelkubu' is brilliant greenish yellow (near R.H.S.5C).

6. Outside color of the corolla ~~throat~~tube of
'Sunbelbusta' is strong purple (R.H.S.83D) with dark reddish
purple (R.H.S.79A), while that. ~~That~~ of 'Sunbelkubu' is pale
10 yellow green (R.H.S.1D).

7. The apex shape of the petal of 'Sunbelbusta' is
acute, while that. ~~That~~ of 'Sunbelkubu' is obtuse.

This new variety of PetuniaCalibrachoa plant
'Sunbelbusta' was ~~asexially~~asexually reproduced by the use of
15 cuttings at Yokaichi-shi, Shiga-ken, Japan, and homogeneity
and stability thereof were confirmed. The instant plant
retains its distinctive characteristics and produces true to
type in successive generations.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

20 The depicted plants ~~had~~ have been reproduced by the use
of cuttings and were photographed during April 2003 while
growing outdoors in 20 cm wall pots at an age of approximately
4 months at Yokaichi-shi, Shiga-ken, Japan.

FIG. 1 is a photograph of a typical plant of the new
25 variety of PetuniaCalibrachoa plant 'Sunbelbusta' while
growing in a pot.

FIG. 2 is a ~~photograph of a~~ close view of flowers and
leaves of the new variety of PetuniaCalibrachoa plant
'Sunbelbusta'.

30 DESCRIPTION OF THE VARIETY

The botanical characteristics of the new and distinct
variety of PetuniaCalibrachoa plant named 'Sunbelbusta' are as

SUBSTITUTE SPECIFICATION
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follows when observed during September at Yokaichi-shi, Shiga-ken, Japan, at an age of approximately 9 months.

Plant:

Growth habit. - Outwardly spreading.

5 Plant height. - Approximately 23.8 cm.

Spreading area of plant. - Approximately 49.0 cm.

Blooming period. - April to late October in the southern Kanto area, Japan. The plant shape does not change throughout this period.

10 Stem:

Length. - approximately 30.0 cm.

Thickness. - Approximately 1.8 mm.

Pubescence. - Normal.

15 Branching. - Abundant branching, especially secondary branches.

Internode length. - Approximately 0.9 cm.

Color. - Near R.H.S. 165A (grayish yellow brown).

Leaf:

20 Whole shape. - Lanceolate. The apex shape is acute, and the base shape is attenuate.

Length. - Approximately 4.4 cm.

Width. - Approximately 1.0 cm.

25 Color. - Upper side color is near R.H.S. 137C (moderate yellow green). Lower side color is near R.H.S. 146C (moderate yellow green).

Thickness. - Approximately 0.5 mm.

Pubescence. - Normal.

Buds:

Shape. - Cylindrical

30 Length. - Approximately 2.0 cm.

Diameter. - Approximately 4.0 mm.

Color. - towards apex, near R.H.S. N81B; Base - near R.H.S. 151D; Venation - near R.H.S. 79A

Flower:

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Petals:Width. - Approximately 1.3 cm.Length from throat. - Approximately 1.4 cm.Shape. - Broadly obtrullate.5 Margin. - Entire.Texture. - Smooth.Color. - Lower surface, near R.H.S. N81B with near R.H.S. 79A venation.Facing direction. - Horizontal.10 Type. - Single.Shape. - Funnel-shaped, with five-fissures.Shape of petal tip. - Acute.Lobation. - MediumWaviness of petal. - Weak.15 Diameter. - Approximately 3.5 cm.Depth. - approximately 2.7 cm.Tube length. - Approximately 1.8 cm.Throat diameter. - Distal end - Approximately 0.8 cm.20 Tube diameter. - Proximal end - Approximately 2.0 mm.

Color. - Petal; near R.H.S. N81A (vivid purple) with near R.H.S. 83A (deep purple) vein. Bottom color of the corolla throat; near R.H.S. 7B (vivid yellow) with near R.H.S. N199A (brilliant yellowish green) vein. Outside color of the corolla tube; near R.H.S. 83D (strong purple) with near R.H.S. 79A (dark reddish purple) vein. Upper color of the corolla throat - near R.H.S. 83A.

Reproductive organs. - 1 normal pistil and 5 normal
30 stamens. The stigma is club-shaped and near R.H.S. 144C (strong yellow green) in coloration. The style is approximately 6 mm in length and near R.H.S. 144D (light yellow green) in coloration. The ovary is near R.H.S. 165A (grayish reddish purple) in coloration. The stamens commonly are of variable

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length from approximately 5.7 to 9.1 mm. Pollen is formed in a quantity that is typical of ~~Petunia~~Calibrachoa sp. and is near R.H.S.9B (vivid yellow) in coloration.

Fertility. - Fertile, but self-incompatible.

5 Peduncle. - Approximately 0.7 mm in diameter and approximately 1.8 cm in length. The texture is smooth.
Color is near R.H.S. 144B.

10 Seeds. - Near R.H.S. N186A (strong red) in coloration, approximately 0.6 mm in diameter, and generally round. The quantity is typical of ~~Petunia~~Calibrachoa sp.

Sepals

Shape. - Narrow elliptic.

Apex shape. - Obtuse.

Base. - Fused.

15 Margin. - Entire.

Length. - Approximately 1.4 cm.

Width. - Approximately 3.0 mm.

Color. - Upper and lower surfaces near R.H.S. 137C

Calyx. - Narrow. 5 sepals fused at the base.

20 Physiological and ecological characteristics:

High resistance to cold, heat, rain and disease such as Powdery mildew. The resistance to heat and rain is very strong.

Blooming:

25 This new variety of ~~Petunia~~Calibrachoa plant is most suitable for flower bedding and potting, particularly in hanging pots or planters. Pinching of old blossoms will enhance the formation of new blossoms.